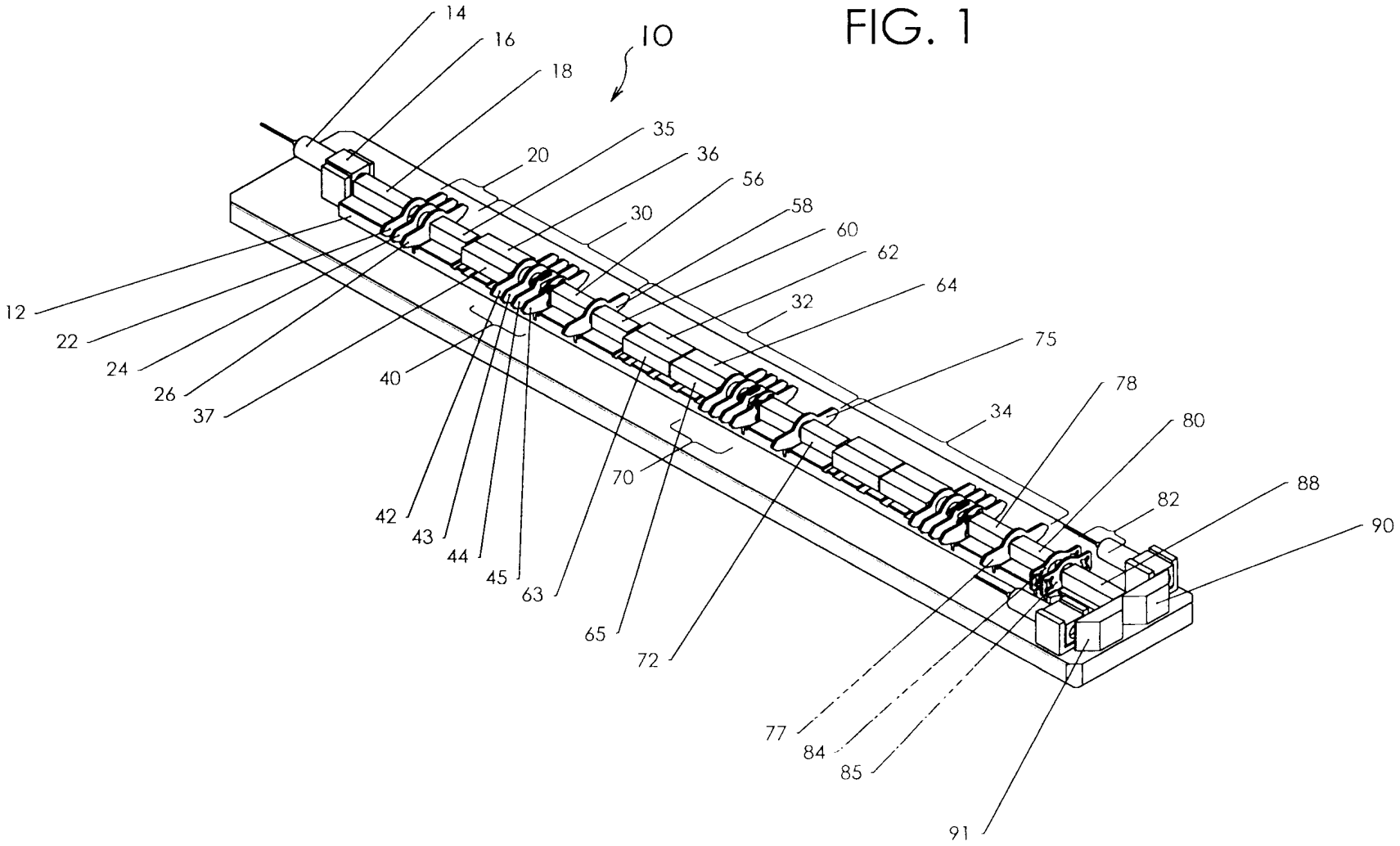
FIG. 1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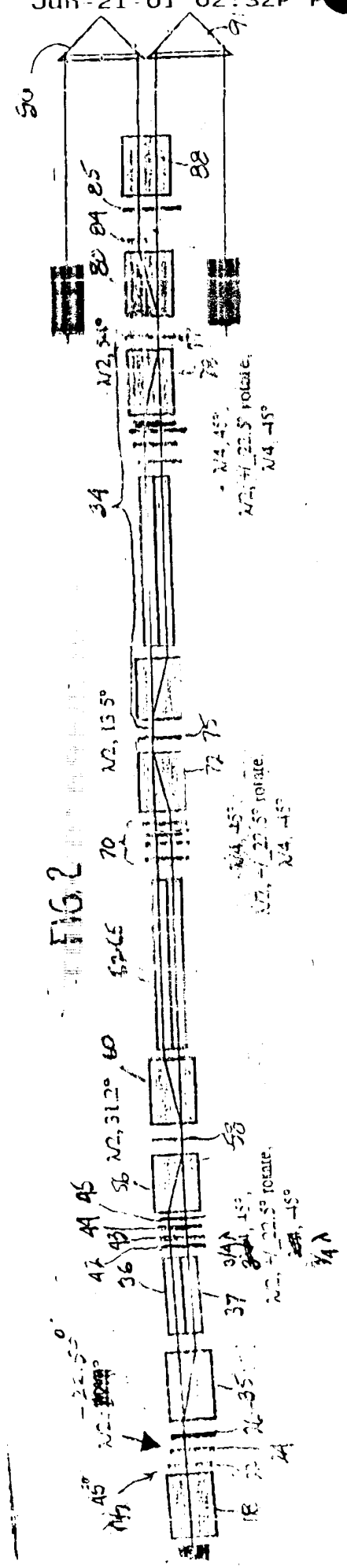


FIG. 2

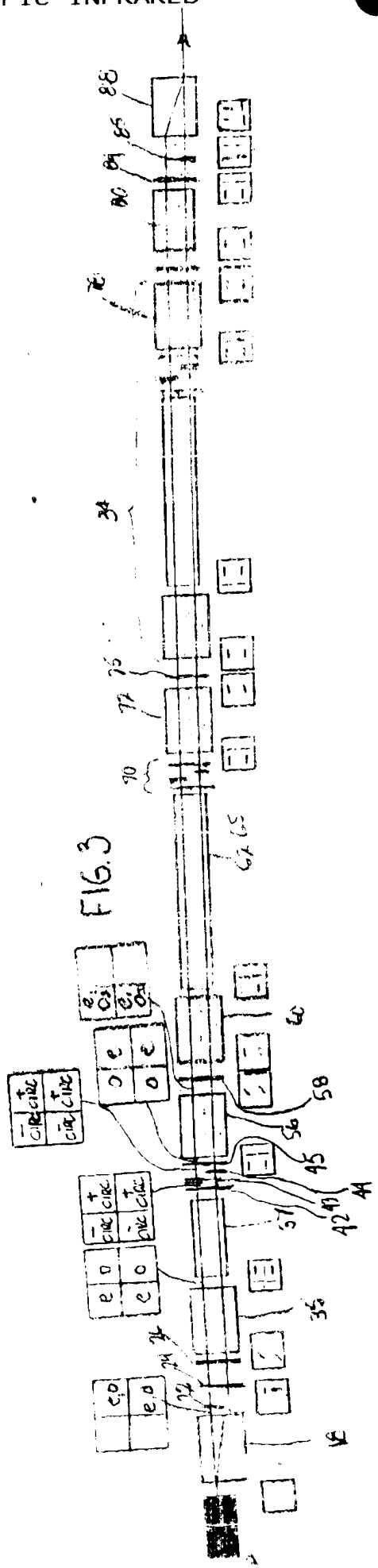


FIG. 3

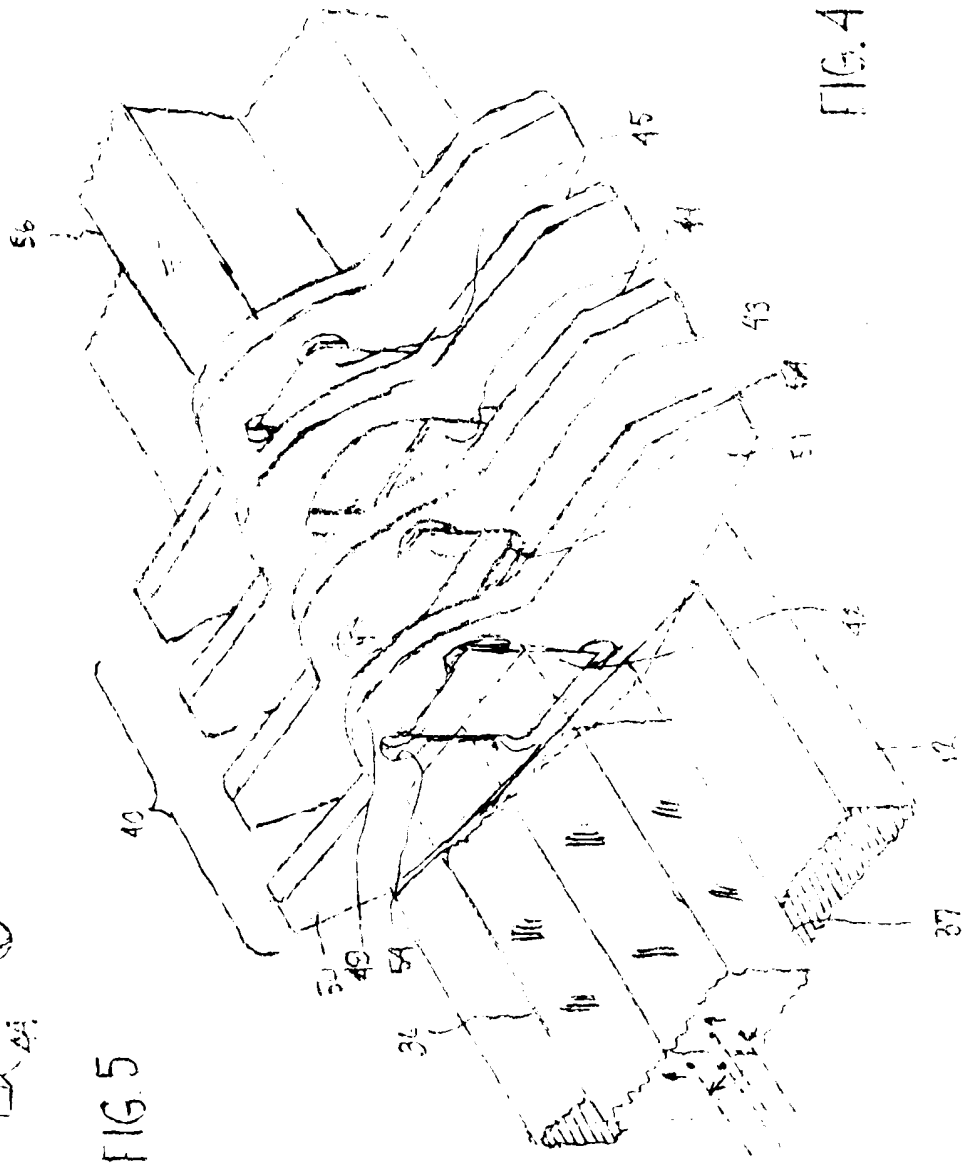


FIG. 4

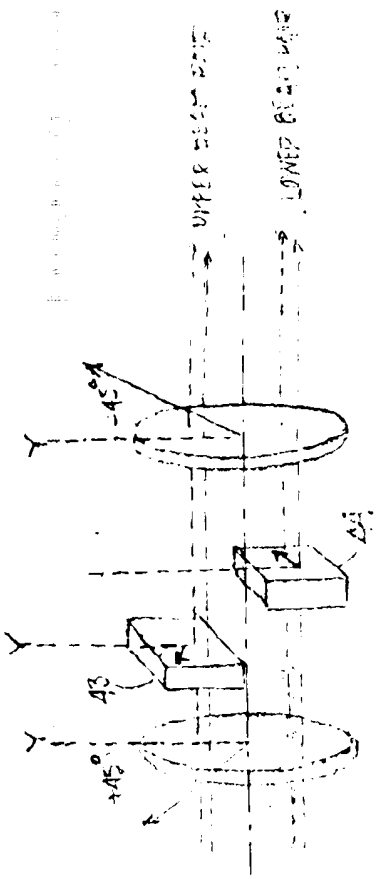


FIG. 5

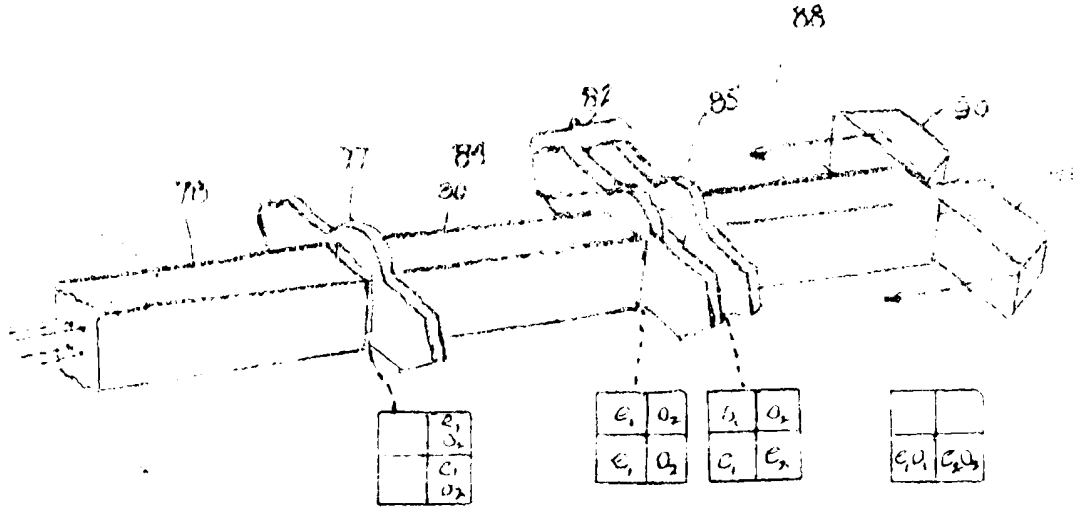
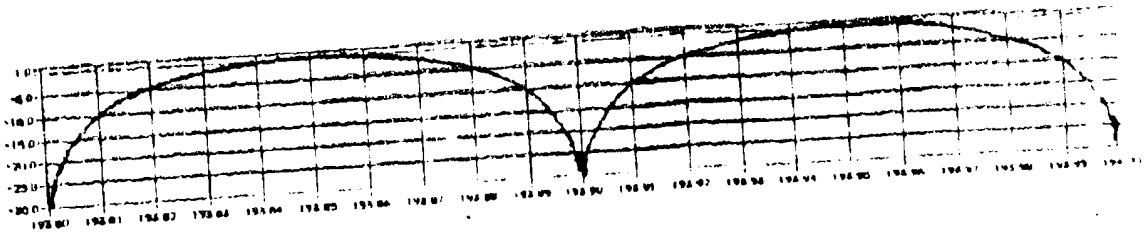
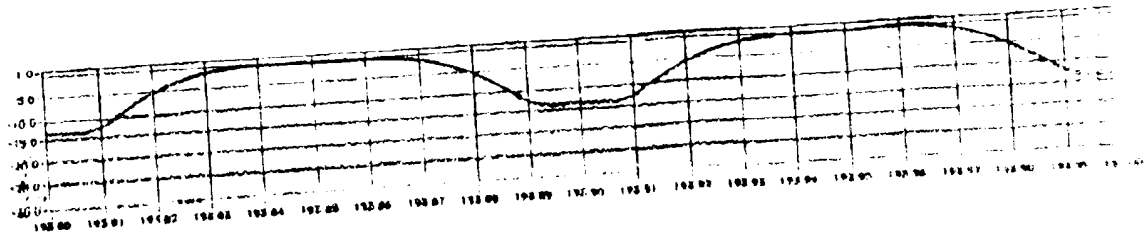


FIG. 6

stage 1: channel separation



stage 2: passband flattening



stage 3: crosstalk reduction

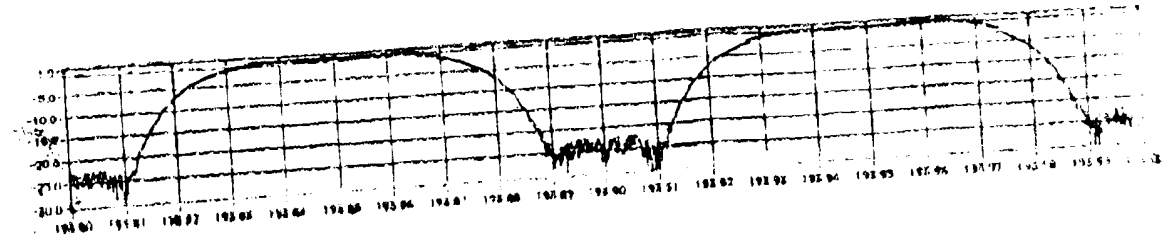


Figure 7 Effect of multiple stages on interleaver transmission characteristics

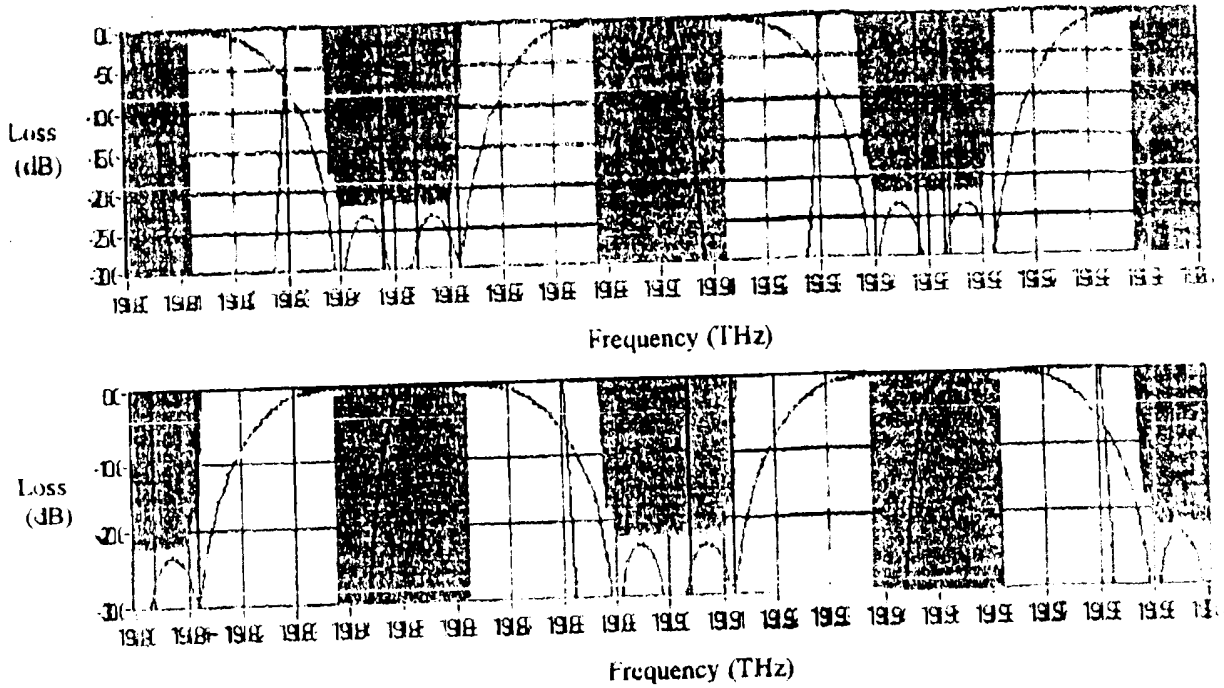


Figure 8 Optical response of a three stage 50 GHz interleaver

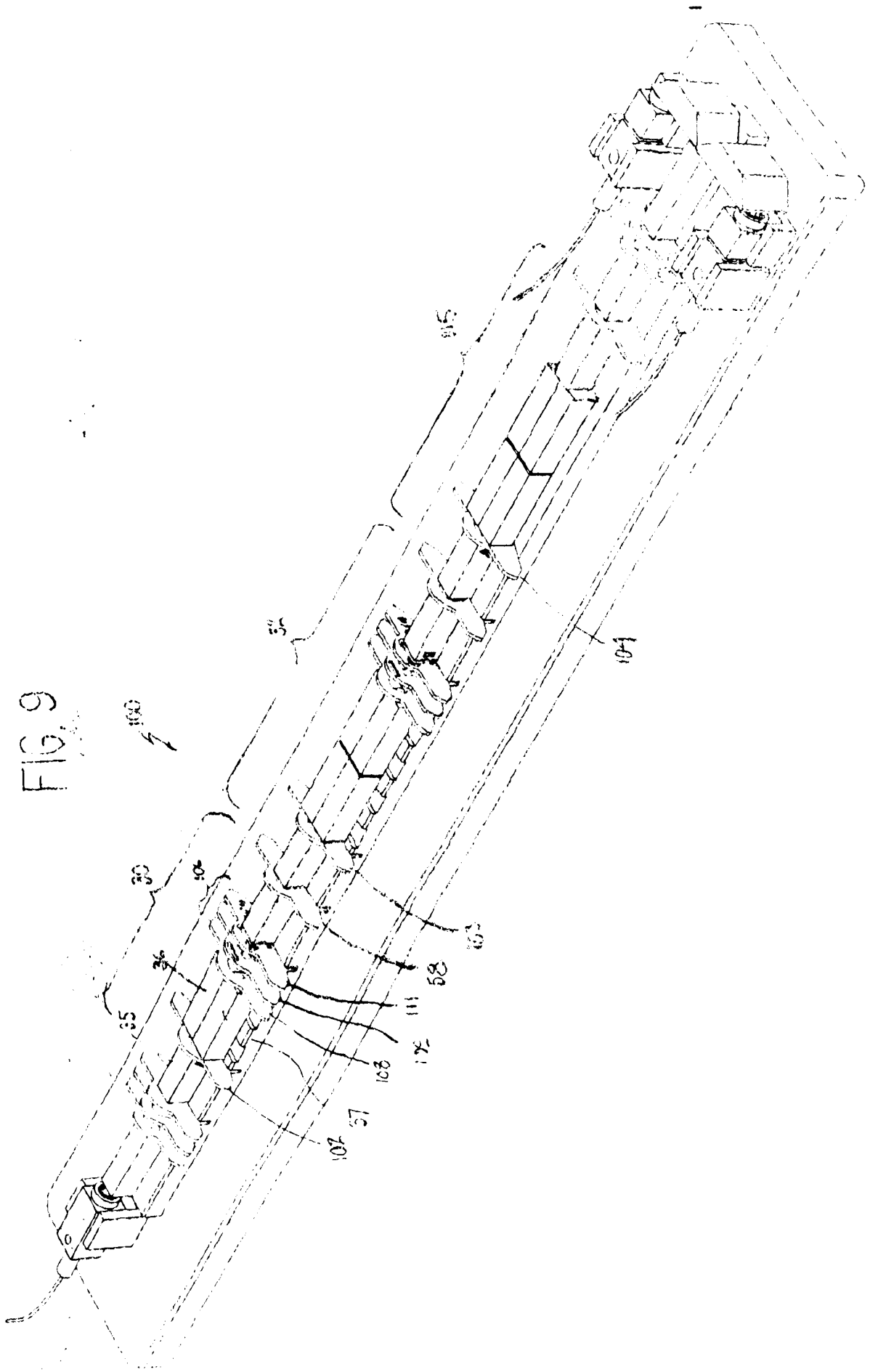


FIG. 9

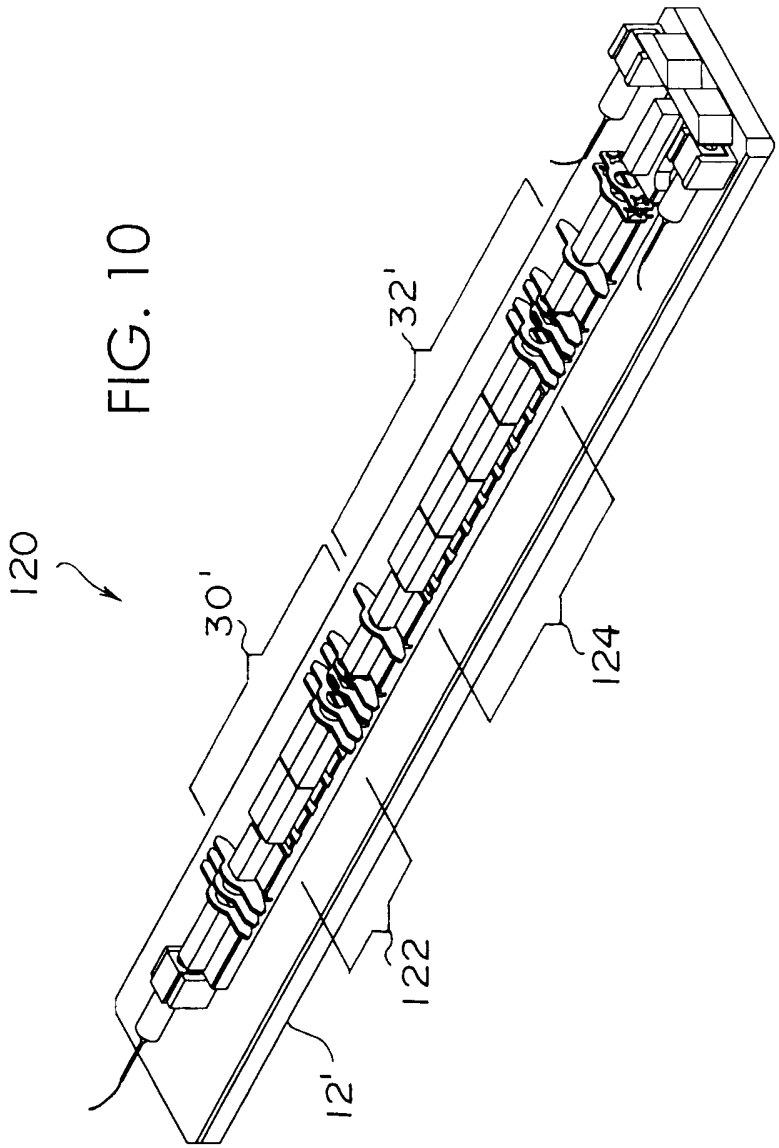
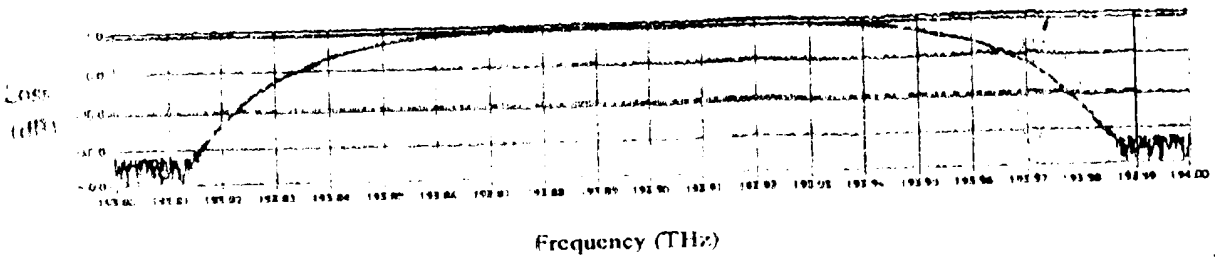
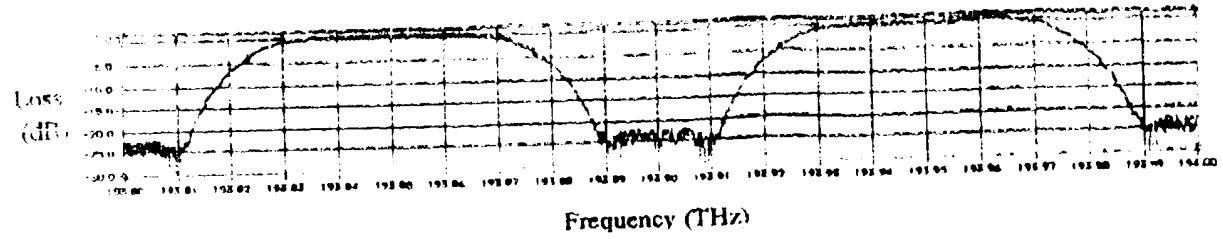


FIG. 10

100 GHz



50 GHz



25 GHz

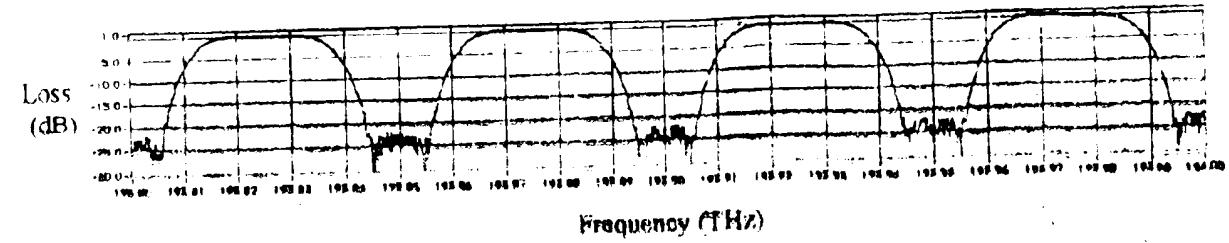


Figure 11 Comparison of 100, 50, 25 GHz interleaver responses (one output only)

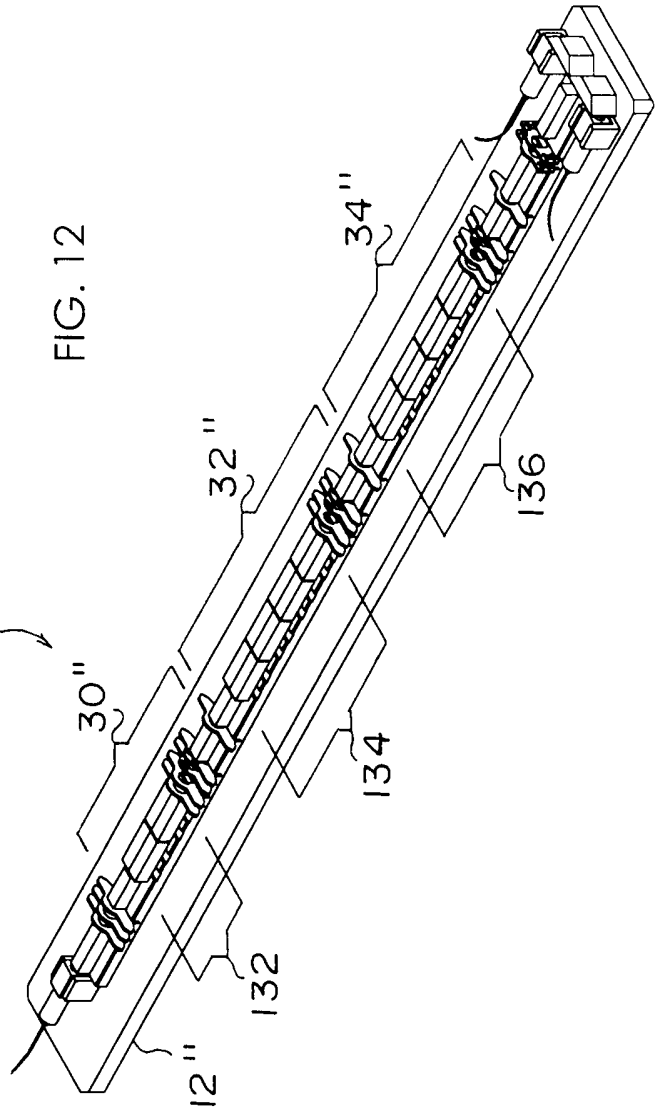


FIG. 12

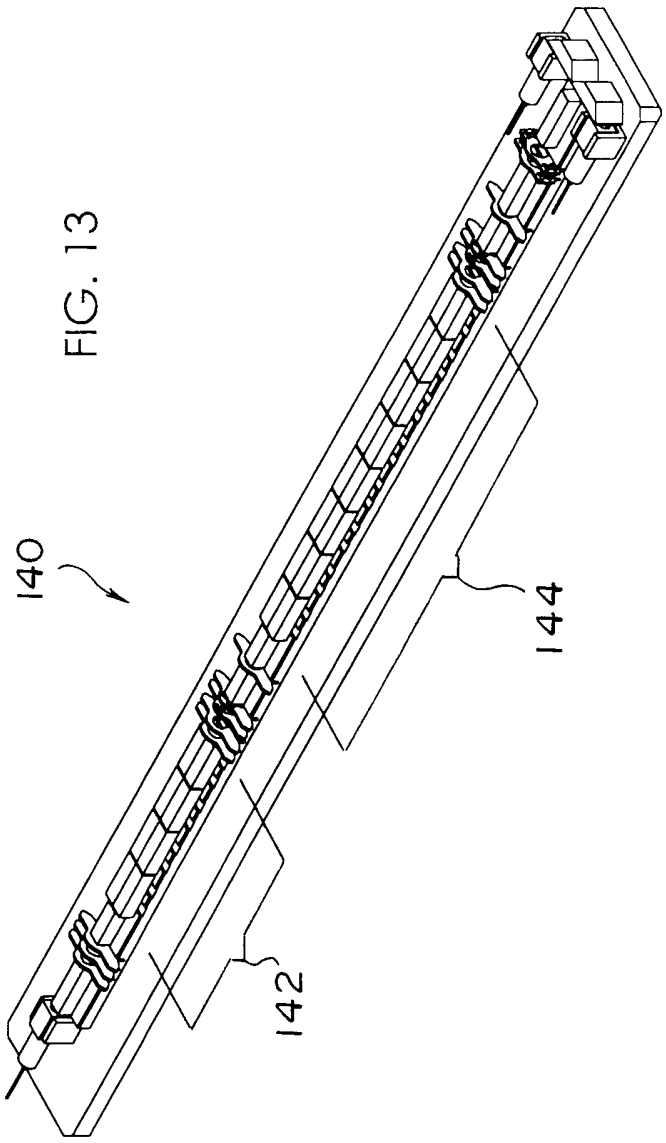
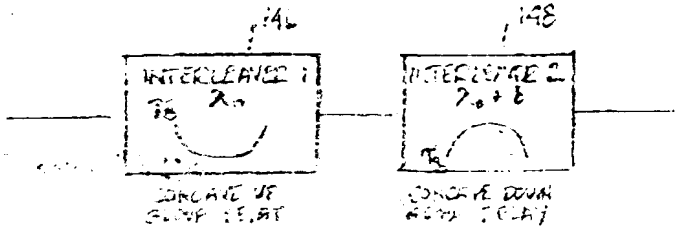


FIG. 13

FIG. 14



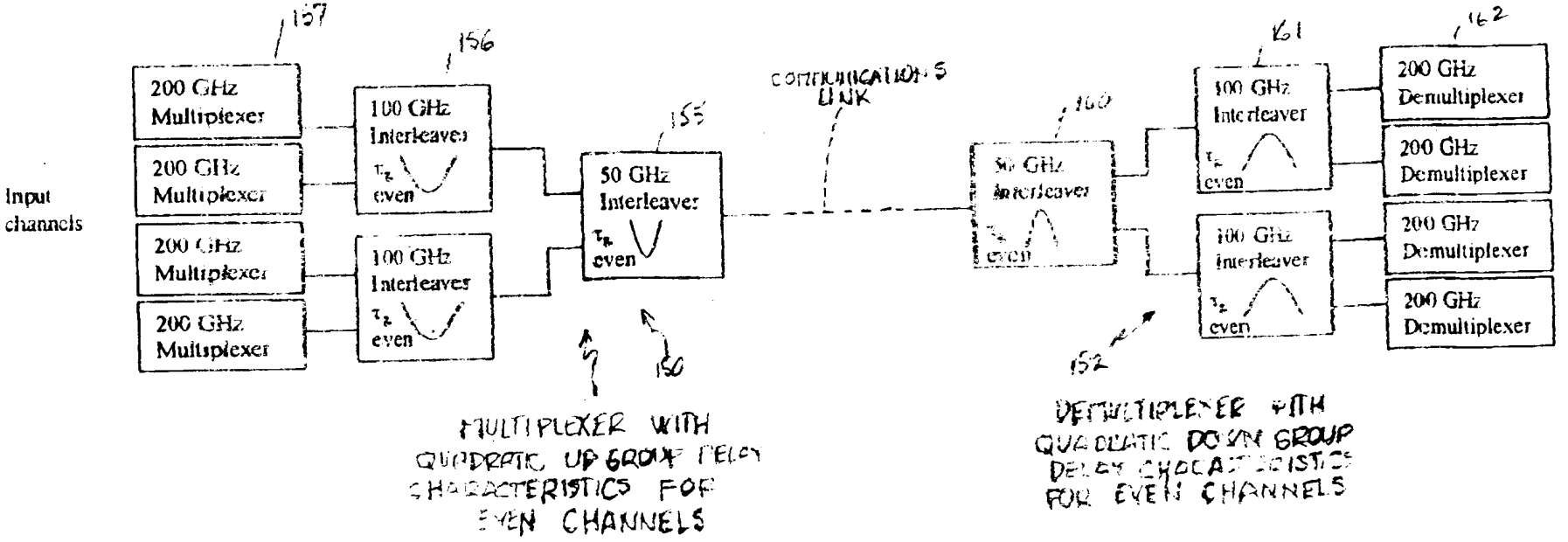


FIG. 15

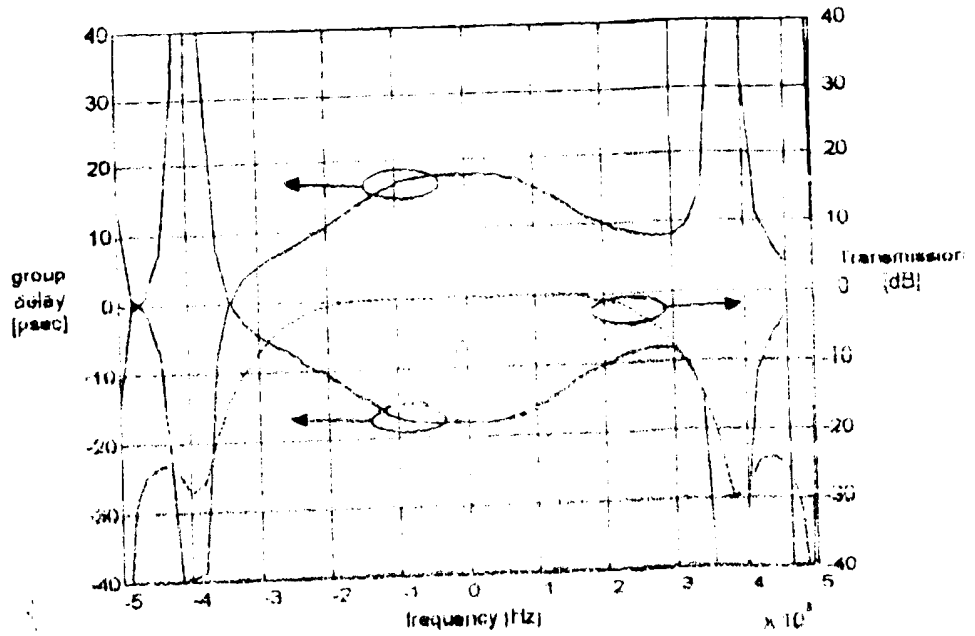


Figure 16 Calculated group delay for even and odd wavelength channels

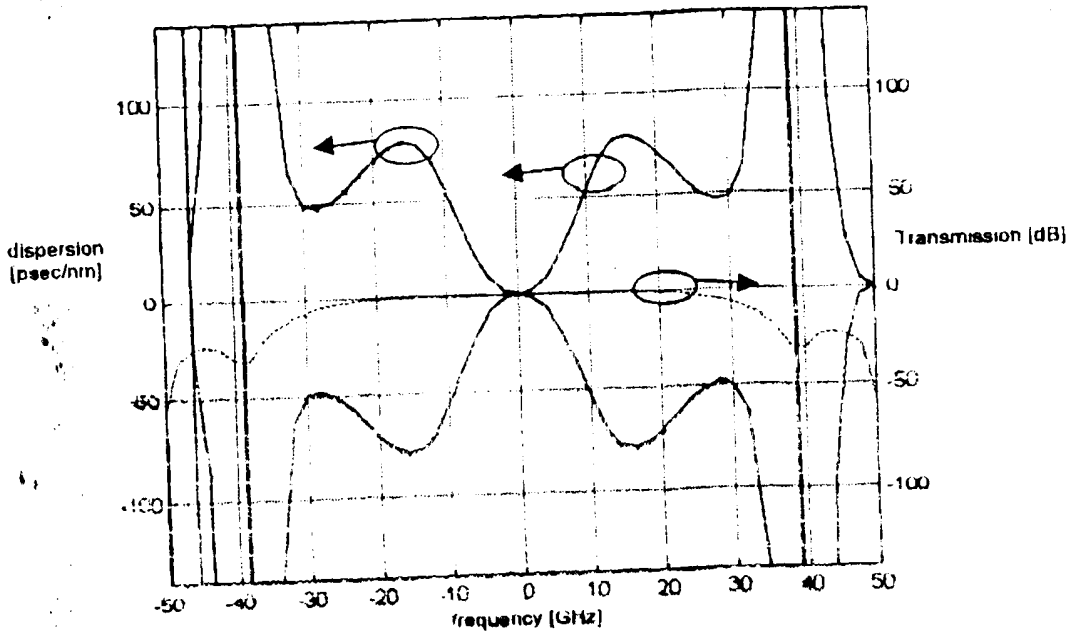
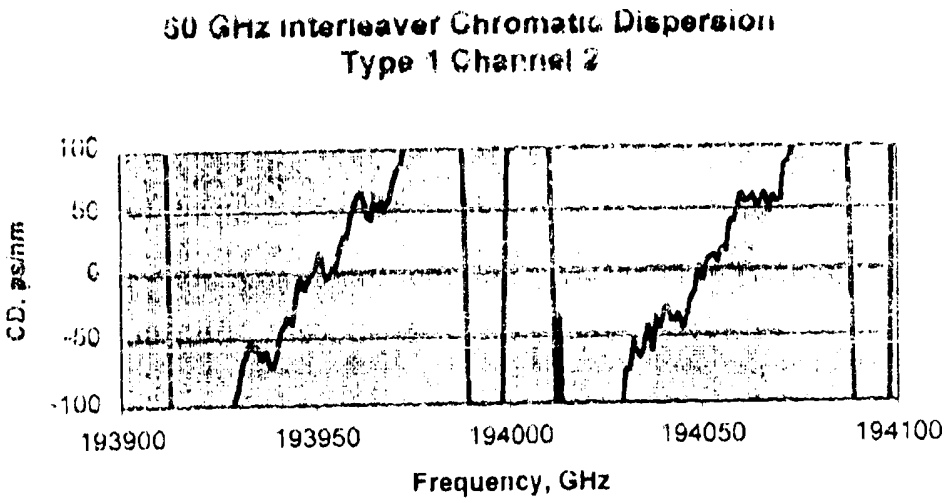


Figure 17 Calculated chromatic dispersion for even and odd wavelength channels.



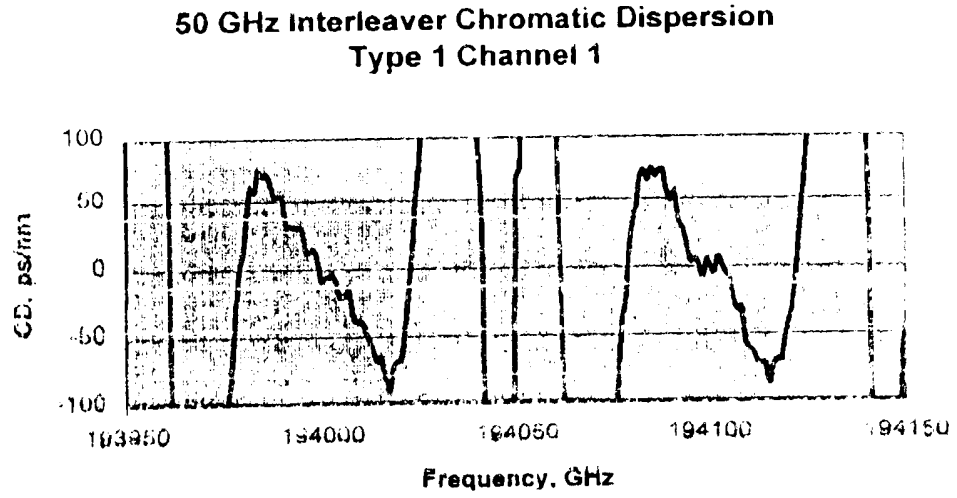
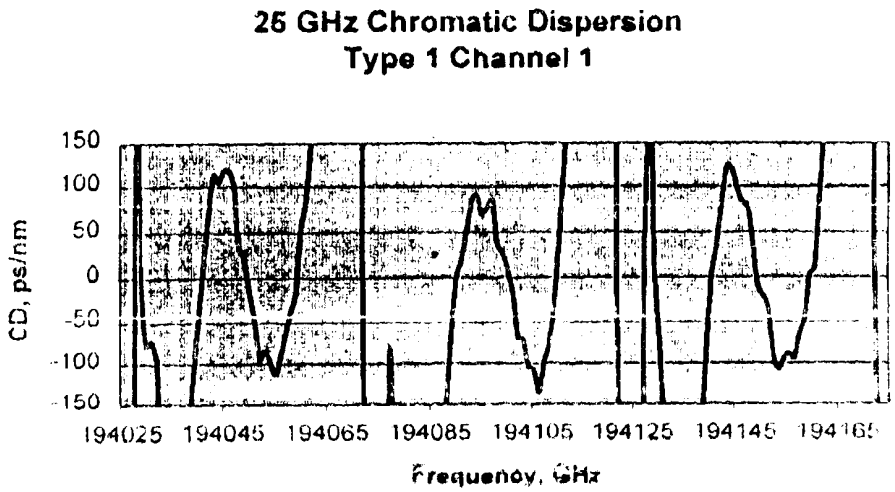


Figure 28: CD of 50 GHz interleaver



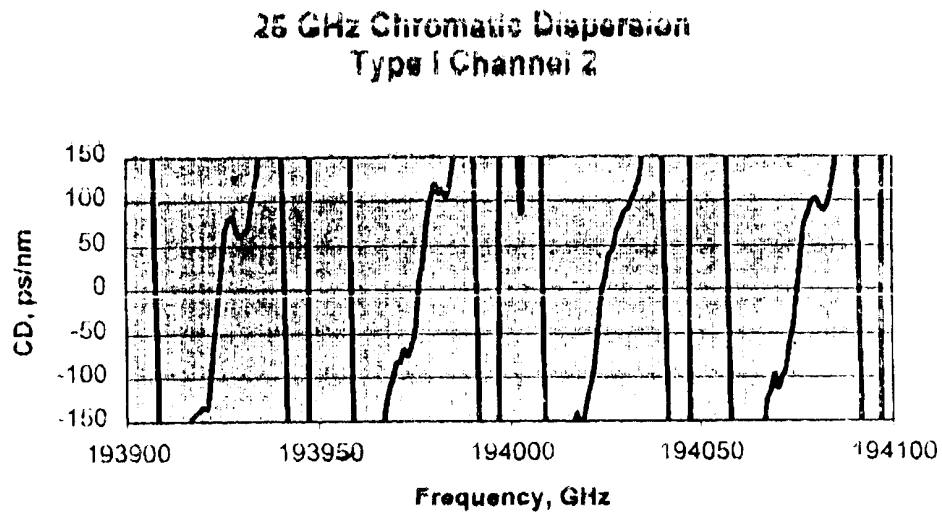


Figure 19: CD of 25 GHz interleaver

FIG. 18

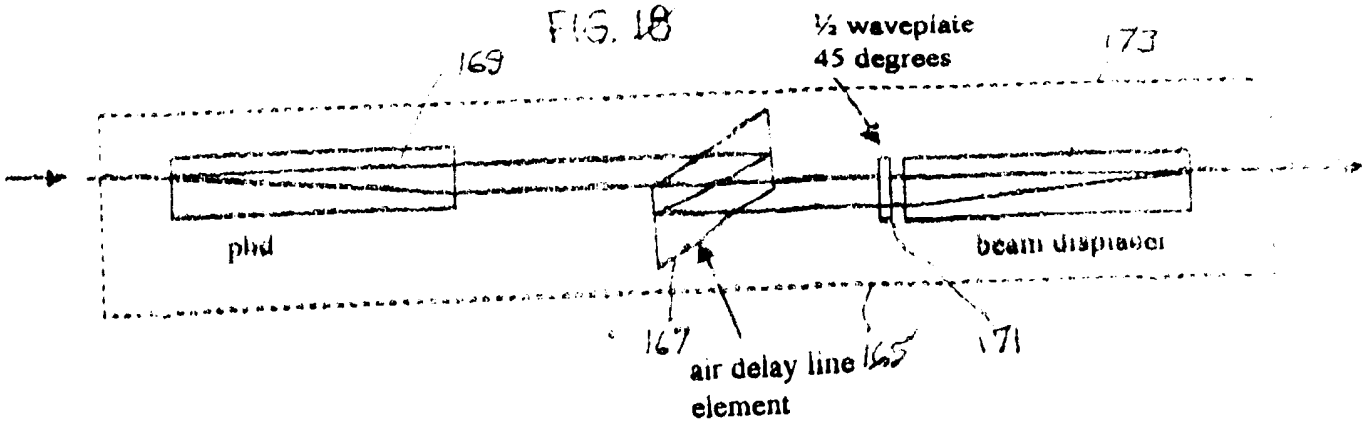


FIG. 19

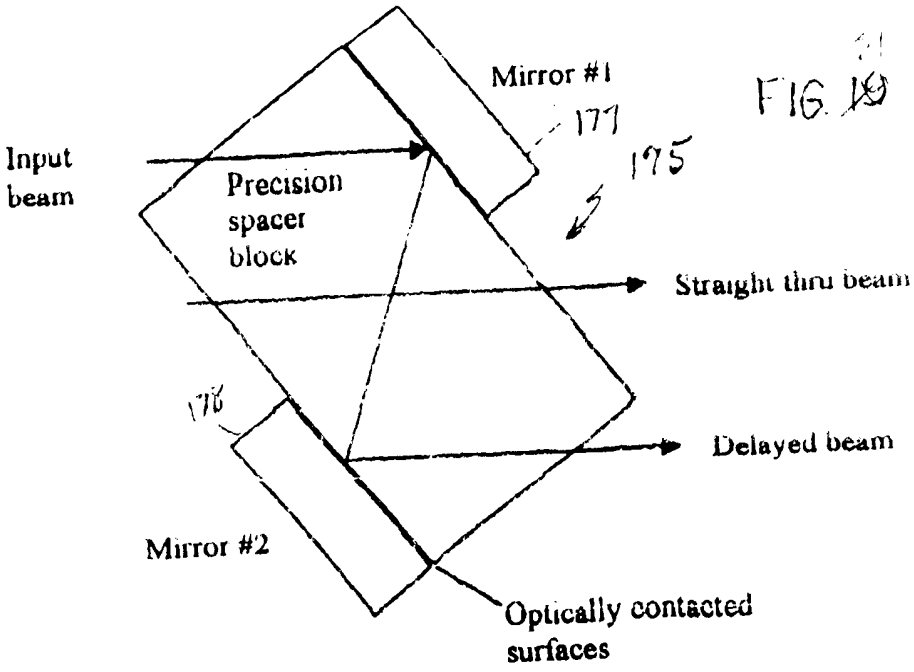
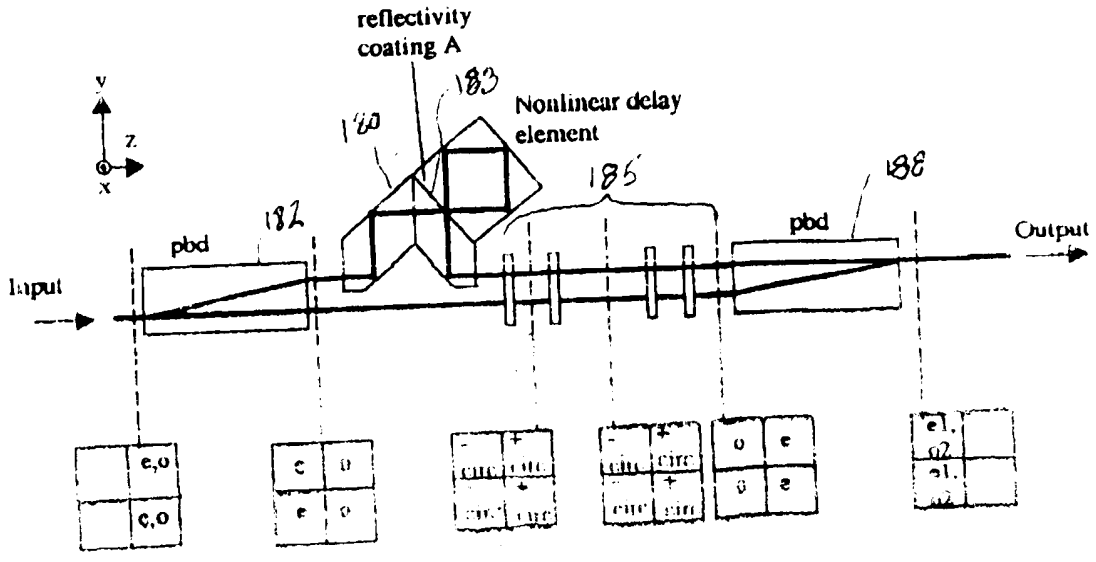


FIG. 20



Glass 1 Glass 3

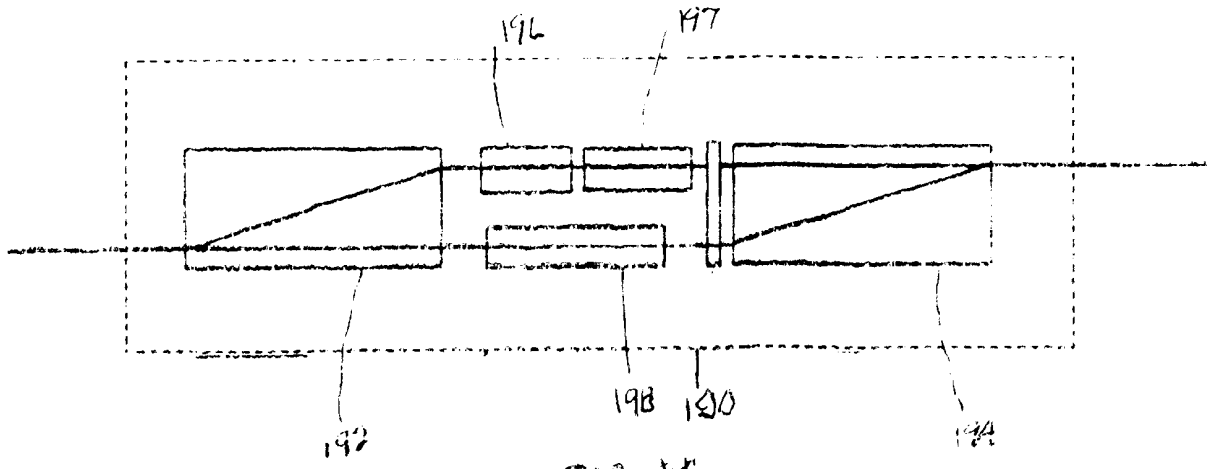


FIG. 13